![USGS logo — science for a changing world]

10270875 INTAKE NO. 2 RESERVOIR NEAR BISHOP, CA

Owens Lake Basin

LOCATION.--Lat 37°14′53″, long 118°34′53″ referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.16, T.8 S., R.31 E., Inyo County, Hydrologic Unit 18090102, in Inyo National Forest, in outlet structure, 50 ft upstream from Bishop Creek Dam, on Middle Fork Bishop Creek, and 13.0 mi southwest of Bishop.

DRAINAGE AREA.--31.6 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1990 to current year. Unpublished records prior to October 1990 available in files of Southern California Edison Co.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Southern California Edison Co.).

REMARKS.--Reservoir is formed by rock-fill dam completed in 1908. Capacity, 78 acre-ft, between elevations 8,077 ft, invert of outlet, and 8,098.81 ft, crest of spillway, all of which are available for release. Water is received from South Fork Bishop Creek via conduit on right bank. Most of the water is diverted through conduit to Bishop Creek Powerplant No. 2 for power development on Bishop Creek. Figures given represent total contents at 2400 hours. See schematic diagram of Bishop Creek Basin.

COOPERATION.--Records collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 1394.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 101 acre-ft, July 9, 1995, elevation, 8,100.67 ft; no storage many days in 2002, 2004, and 2005.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 92 acre-ft, July 22-25, maximum elevation, 8,100.04 ft, July 23; no storage Oct. 1 to Apr. 21.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on survey by Southern California Edison Co., dated Aug. 12, 1981)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
8,077	0	8,086	5	8,094	32	8,102	120
8,082	1	8,090	12	8,098	68		

U.S. Department of the Interior
U.S. Geological Survey

10270875 INTAKE NO. 2 RESERVOIR NEAR BISHOP, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	83	90	87	68
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	83	90	86	70
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	82	90	83	69
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	82	90	83	70
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	81	90	82	74
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	81	91	82	74
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	81	90	83	73
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	81	91	82	75
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	81	90	83	74
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	81	90	83	66
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	82	90	84	70
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	82	90	83	76
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	83	89	83	76
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	84	89	85	74
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	85	88	83	74
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	87	86	83	72
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	86	86	83	70
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87	86	87	82	73
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	85	88	79	72
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	86	90	78	77
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	88	91	77	68
22	0.0	0.0	0.0	0.0	0.0	0.0	27	87	89	92	68	71
23	0.0	0.0	0.0	0.0	0.0	0.0	51	88	88	92	68	71
24	0.0	0.0	0.0	0.0	0.0	0.0	79	80	88	92	75	72
25	0.0	0.0	0.0	0.0	0.0	0.0	81	82	88	92	73	74
26	0.0	0.0	0.0	0.0	0.0	0.0	81	82	88	91	71	76
27	0.0	0.0	0.0	0.0	0.0	0.0	85	83	90	90	66	71
28	0.0	0.0	0.0	0.0	0.0	0.0	85	84	87	88	65	73
29	0.0	0.0	0.0	0.0	---	0.0	85	82	88	88	64	73
30	0.0	0.0	0.0	0.0	---	0.0	85	80	90	88	67	71
31	0.0	---	0.0	0.0	---	0.0	---	82	---	87	66	---
Max	0.00	0.00	0.00	0.00	0.00	0.00	85	89	90	92	87	77
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80	81	86	64	66

Elevation, in feet, at end of month

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	---	---	---	---	---	---	8,099.48	8,099.25	8,099.82	8,099.62	8,097.82	8,098.24

Change in contents, in acre-feet

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	0	0	0	0	0	0	+85	-3	+8	-3	-21	+5

	Calendar Year 2004	Water Year 2005
Max	88	92
Min	0.00	0.00
Change in contents, in acre-feet	-72	+71

10270875 INTAKE NO. 2 RESERVOIR NEAR BISHOP, CA—Continued